



The State of New Hampshire  
*Department of Environmental Services*



AGGREGATED PRECIPITATION DATA for N.H.  
DROUGHT MANAGEMENT AREAS

	Actual Rainfall (inches)	Normal Rainfall (inches)	Deviation from Normal (inches)	Percent of Normal
<u>Coastal Drainage:</u> Rockingham, Strafford counties				
four month	11.92	13.60	-1.68	88%
six month	24.02	20.04	3.98	120%
nine month	35.36	29.70	5.66	119%
twelve month	61.12	39.56	21.56	154%
<u>Southern Interior:</u> Belknap, Hillsborough, Merrimack counties				
four month	10.93	13.28	-2.35	82%
six month	22.91	19.74	3.18	116%
nine month	33.68	29.42	4.26	114%
twelve month	56.12	39.26	16.86	143%
<u>South Western:</u> Cheshire, Sullivan counties				
four month	9.99	13.07	-3.08	76%
six month	20.67	19.47	1.21	106%
nine month	30.91	29.07	1.85	106%
twelve month	47.90	38.89	9.02	123%
<u>White Mountain:</u> Carroll, Grafton counties				
four month	10.88	12.69	-1.81	86%
six month	23.03	18.61	4.42	124%
nine month	35.11	27.49	7.63	128%
twelve month	53.41	36.69	16.72	146%
<u>North Country:</u> Coos county				
four month	13.31	11.73	1.58	113%
six month	24.39	17.17	7.22	142%
nine month	38.83	25.33	13.50	153%
twelve month	55.91	33.81	22.10	165%

four month period : December 2006 - March 2007

six month period : October 2006 - March 2007

nine month period : July 2006 - March 2007

twelve month period: April 2006 - March 2007

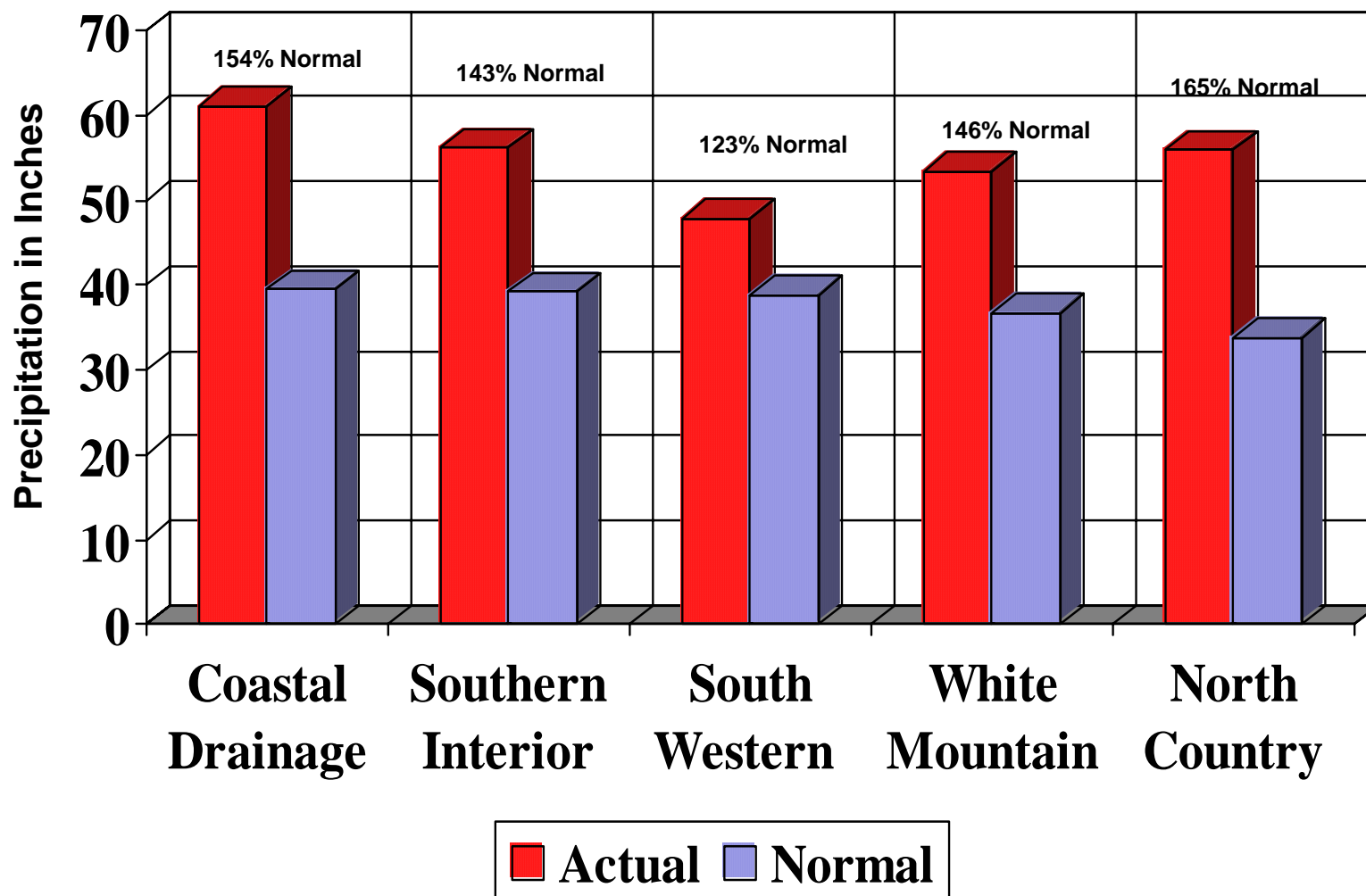
Source: Northeast River Forecast Center, NH Des Dam Bureau

**P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095**

Telephone: (603) 271-3503 • Fax: (603) 271-7894 • TDD Access: Relay NH 1-800-735-2964

DES Web site: [www.des.nh.gov](http://www.des.nh.gov)

# TWELVE MONTH AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS from April 2006 through March 2007





## MONTHLY PRECIPITATION DATA FOR N.H COUNTIES

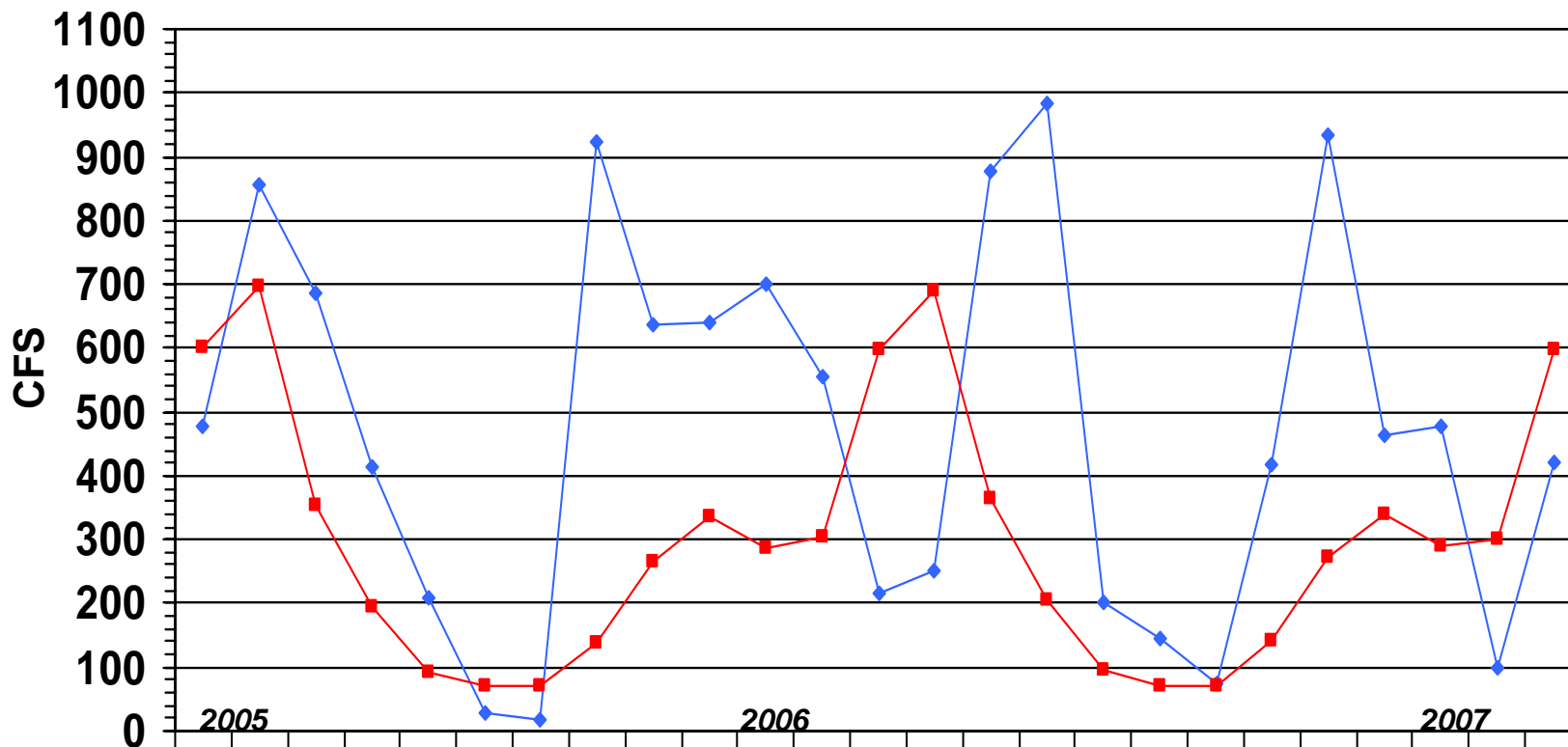
		2006									2007		
		APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MARCH
<u>Coastal drainage</u>													
STRAFFORD	actual	3.34	12.79	8.67	5.86	3.03	2.52	6.27	5.53	3.60	3.02	1.59	3.94
	normal	3.40	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	4.02
	deviation	-0.06	9.67	5.55	2.74	-0.09	-0.60	3.15	2.41	0.48	-0.10	-1.53	-0.08
ROCKINGHAM	actual	3.27	14.20	9.25	5.13	3.52	2.61	6.44	5.96	2.84	2.94	1.54	4.37
	normal	3.44	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.32	3.86
	deviation	-0.17	10.88	5.93	1.81	0.20	-0.71	3.12	2.64	-0.48	-0.38	-1.78	0.51
Average	actual	3.31	13.50	8.96	5.50	3.28	2.57	6.36	5.75	3.22	2.98	1.57	4.16
	normal	3.42	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.94
	deviation	-0.12	10.28	5.74	2.28	0.06	-0.66	3.14	2.53	0.00	-0.24	-1.66	0.22
<u>Southern Interior</u>													
HILLSBOROUGH	actual	2.66	10.93	9.82	3.98	4.59	2.05	6.87	5.35	2.59	3.08	1.54	4.17
	normal	3.56	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.88
	deviation	-0.90	7.33	6.22	0.38	0.99	-1.55	3.27	1.75	-1.01	-0.52	-2.06	0.29
MERRIMACK	actual	2.95	11.72	9.62	5.19	3.70	2.34	7.76	4.84	3.79	2.93	1.45	3.95
	normal	3.36	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.51
	deviation	-0.41	8.56	6.46	2.03	0.54	-0.82	4.60	1.68	0.63	-0.23	-1.71	0.44
BELKNAP	actual	2.66	8.95	8.02	5.79	2.81	1.84	6.59	4.54	3.26	2.04	1.15	2.84
	normal	3.24	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	3.42
	deviation	-0.58	6.03	5.10	2.87	-0.11	-1.08	3.67	1.62	0.34	-0.88	-1.77	-0.58
Average	actual	2.76	10.53	9.15	4.99	3.70	2.08	7.07	4.91	3.21	2.68	1.38	3.65
	normal	3.39	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.60
	deviation	-0.63	7.31	5.93	1.76	0.47	-1.15	3.85	1.68	-0.01	-0.54	-1.85	0.05
<u>South Western</u>													
CHESHIRE	actual	2.28	5.32	7.22	3.04	3.94	1.81	6.02	3.91	2.39	2.91	1.22	2.77
	normal	3.40	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.60
	deviation	-1.12	2.04	3.94	-0.24	0.66	-1.47	2.74	0.63	-0.89	-0.37	-2.06	-0.83
SULLIVAN	actual	2.85	7.26	9.05	5.19	4.09	2.41	6.99	4.44	2.87	3.24	1.64	2.94
	normal	3.44	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.33
	deviation	-0.59	4.14	5.93	2.07	0.97	-0.71	3.87	1.32	-0.25	0.12	-1.48	-0.39
Average	actual	2.57	6.29	8.14	4.12	4.02	2.11	6.51	4.18	2.63	3.08	1.43	2.86
	normal	3.42	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.20	3.47
	deviation	-0.86	3.09	4.94	0.92	0.82	-1.09	3.31	0.98	-0.57	-0.13	-1.77	-0.61
<u>White Mountain</u>													
GRAFTON	actual	2.81	6.87	7.90	5.76	3.97	2.68	7.39	3.81	3.68	2.55	2.18	3.29
	normal	3.24	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	3.60
	deviation	-0.43	3.95	4.98	2.84	1.05	-0.24	4.47	0.89	0.76	-0.37	-0.74	-0.31
CARROLL	actual	2.84	8.22	7.95	6.33	2.98	2.45	8.02	5.08	3.30	2.31	1.58	2.86
	normal	3.32	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	4.01
	deviation	-0.48	5.22	4.95	3.33	-0.02	-0.55	5.02	2.08	0.30	-0.69	-1.42	-1.15
Average	actual	2.83	7.55	7.93	6.05	3.48	2.57	7.71	4.45	3.49	2.43	1.88	3.08
	normal	3.28	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	3.81
	deviation	-0.46	4.59	4.97	3.09	0.52	-0.40	4.75	1.49	0.53	-0.53	-1.08	-0.73
<u>North Country</u>													
COOS	actual	3.02	6.10	7.96	4.80	7.47	2.17	7.85	3.23	3.93	3.17	2.58	3.63
	normal	3.04	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	3.57
	deviation	-0.02	3.38	5.24	2.08	4.75	-0.55	5.13	0.51	1.21	0.45	-0.14	0.06

# LAMPREY RIVER near NEWMARKET NH

## Gage# 01073500



### MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



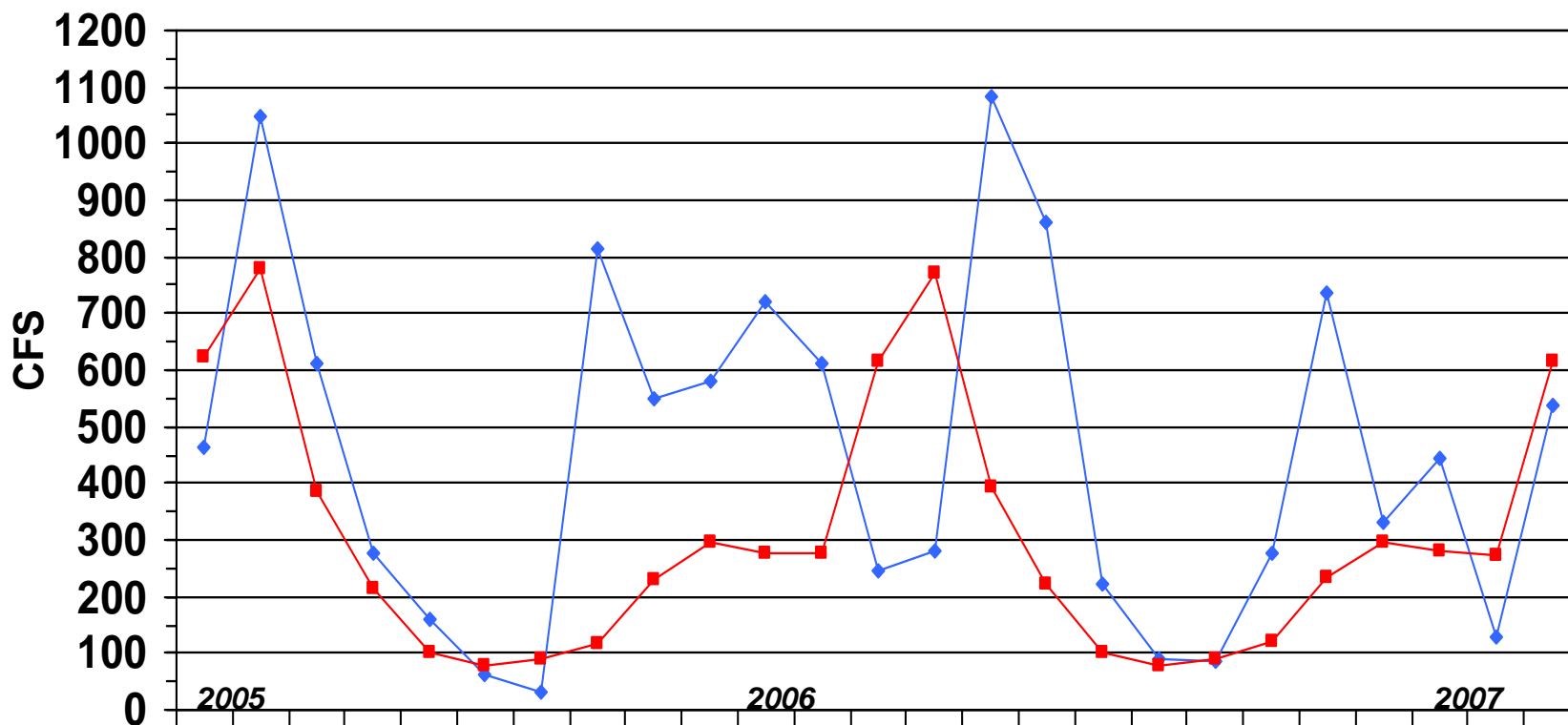
	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	477	857	685	415	209	29	18	923	638	639	700	555	217	252	876	982	201	146	73	419	935	462	477	100	422
Mean of Monthly Flows	603	696	355	195	93	70	70	139	264	337	288	304	598	690	363	206	95	71	70	143	274	338	290	301	596
% of Normal	79%	123%	193%	213%	255%	41%	26%	664%	242%	190%	243%	183%	36%	37%	241%	477%	212%	206%	104%	293%	341%	137%	164%	33%	71%



# SOUHEGAN RIVER at MERRIMACK NH

Gage# 01094000



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

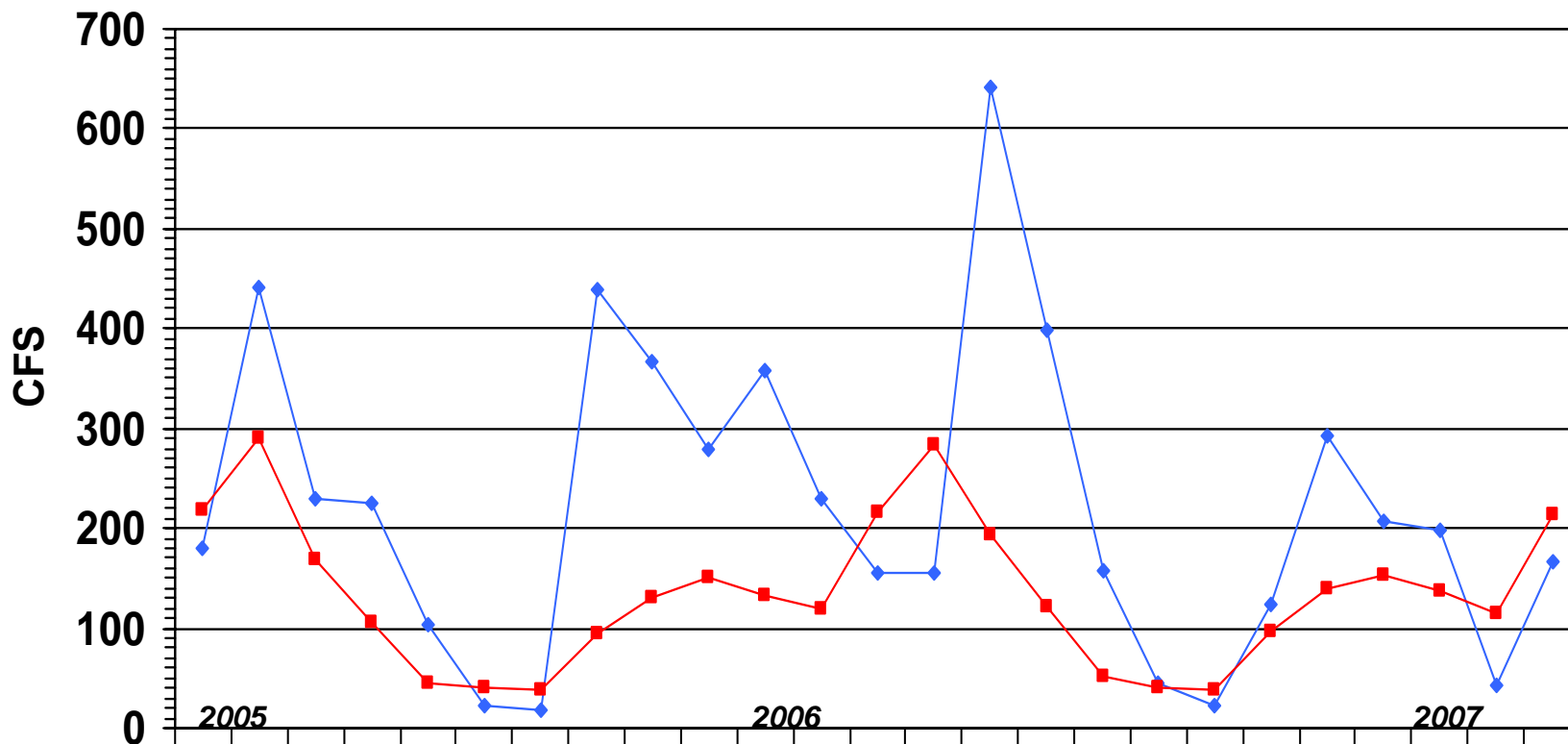


	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
 Monthly Mean Flow	464	1049	613	276	158	61	32	814	551	579	721	611	244	281	1085	860	223	90	84	278	738	330	446	130	538
 Mean of Monthly Flow s	622	780	385	215	101	78	88	118	228	296	276	275	616	773	395	224	103	78	88	120	235	296	279	273	615
% of Normal	75%	134%	159%	128%	156%	78%	36%	690%	242%	196%	261%	222%	40%	35%	275%	384%	217%	115%	95%	232%	314%	111%	160%	48%	87%

# SOUCOOK RIVER at PEMBROKE ROAD near CONCORD NH, Gage# 01089100



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



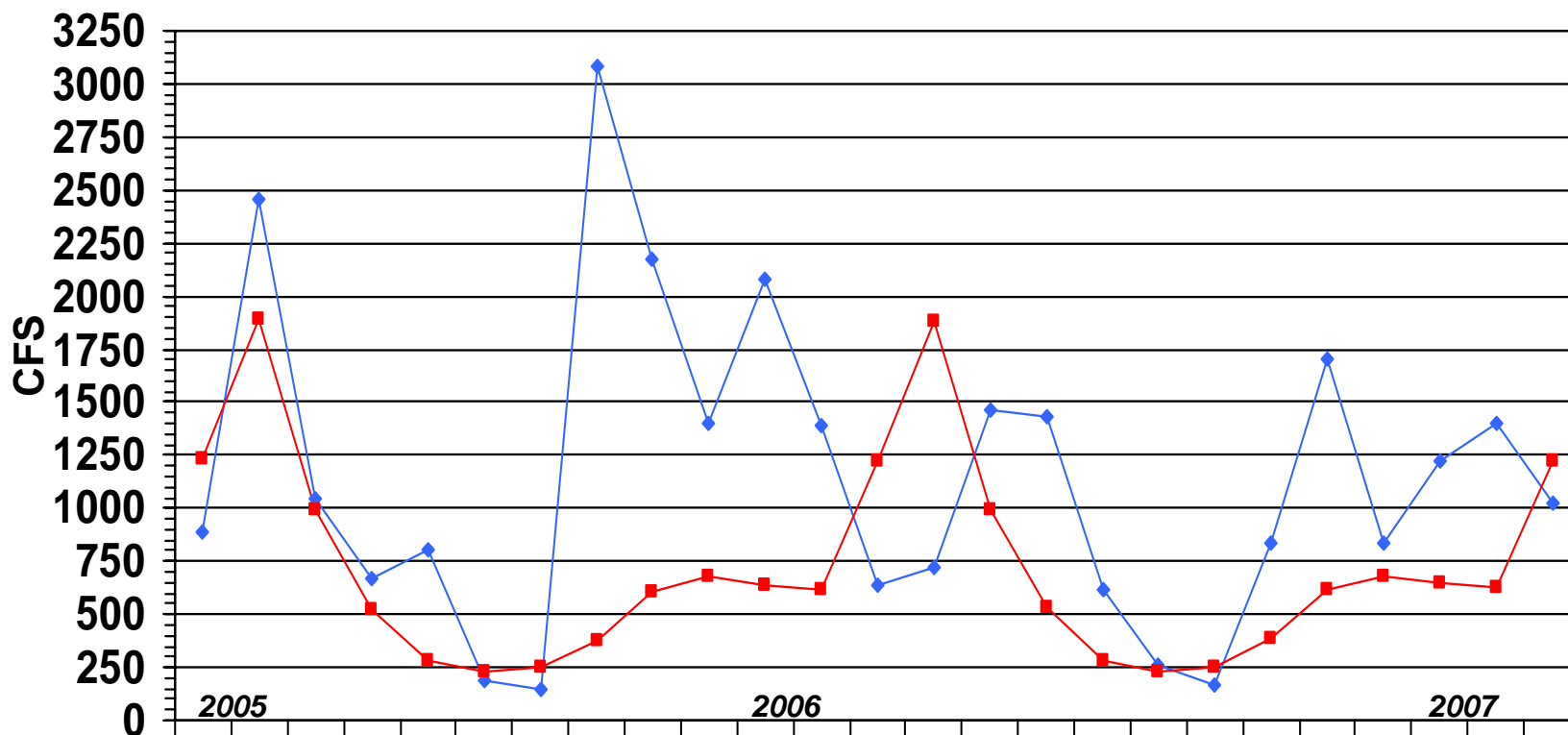
	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	180	442	229	224	104	22	19	438	368	280	359	229	155	155	642	399	157	44	23	124	292	207	197	42	166
Mean of Monthly Flows	219	290	169	106	45	41	39	95	131	150	133	119	216	283	194	122	51	41	38	96	140	153	137	115	213
% of Normal	84%	152%	137%	115%	231%	54%	49%	461%	281%	187%	270%	192%	72%	55%	331%	327%	308%	107%	61%	129%	209%	135%	144%	37%	78%

# ASHUELOT RIVER at HINSDALE NH

**Gage# 01161000**



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



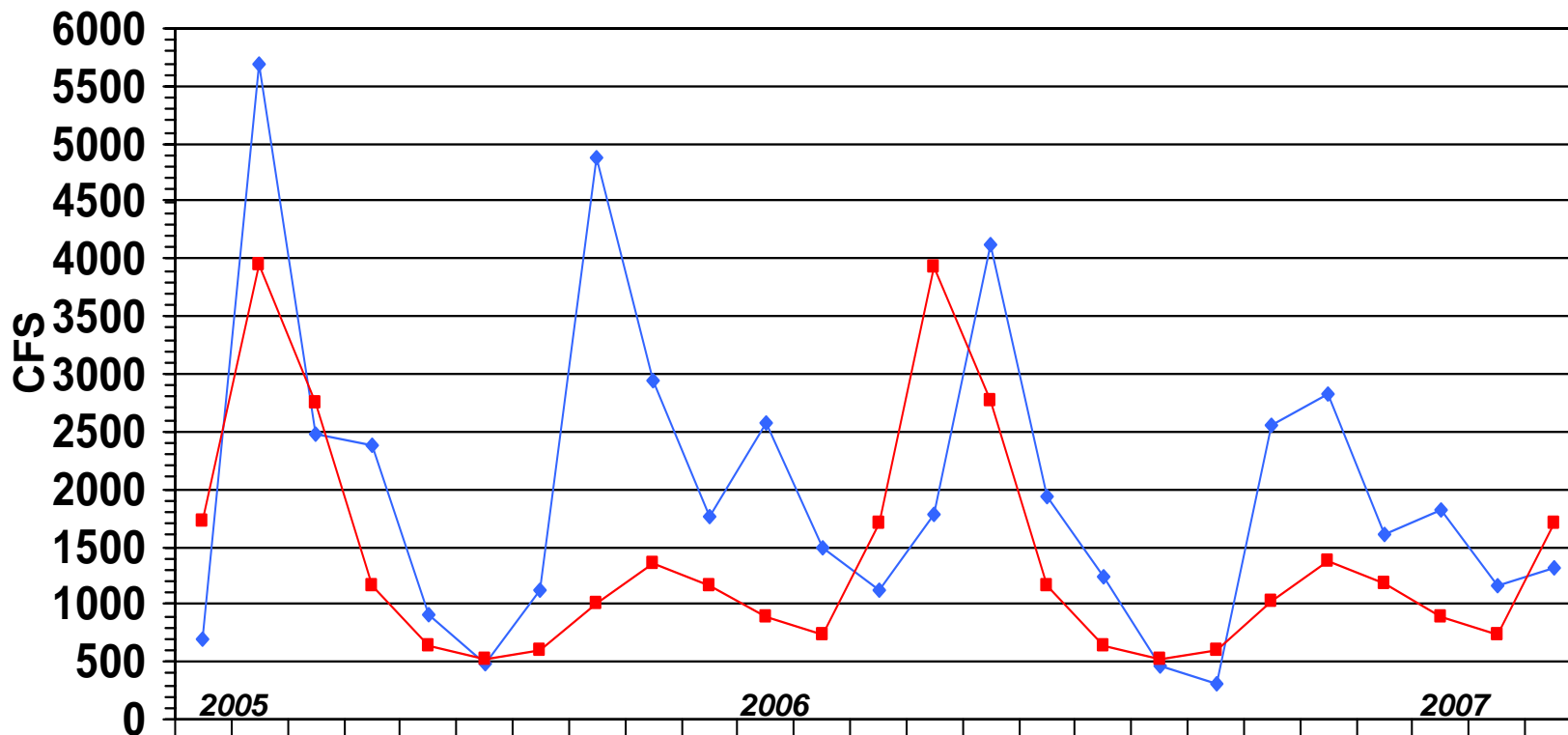
	2005							2006							2007										
	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	890	2454	1048	671	802	190	145	3088	2171	1396	2082	1385	642	718	1459	1434	615	262	170	838	1702	833	1220	1404	1025
Mean of Monthly Flow s	1232	1888	991	524	279	230	247	378	610	683	640	618	1226	1876	996	534	283	230	247	383	621	684	646	626	1224
% of Normal	72%	130%	106%	128%	287%	83%	59%	817%	356%	204%	325%	224%	52%	38%	146%	269%	217%	114%	69%	219%	274%	122%	189%	224%	84%

# PEMIGEWASSET RIVER at PLYMOUTH NH

Gage# 01076500



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	702	5697	2472	2380	901	475	1114	4878	2948	1761	2578	1500	1118	1789	4130	1941	1235	471	311	2550	2833	1605	1816	1152	1322
Mean of Monthly Flows	1718	3941	2754	1159	637	514	603	1002	1358	1167	886	733	1712	3920	2767	1167	643	514	600	1017	1372	1171	895	737	1709
% of Normal	41%	145%	90%	205%	142%	92%	185%	487%	217%	151%	291%	205%	65%	46%	149%	166%	192%	92%	52%	251%	206%	137%	203%	156%	77%



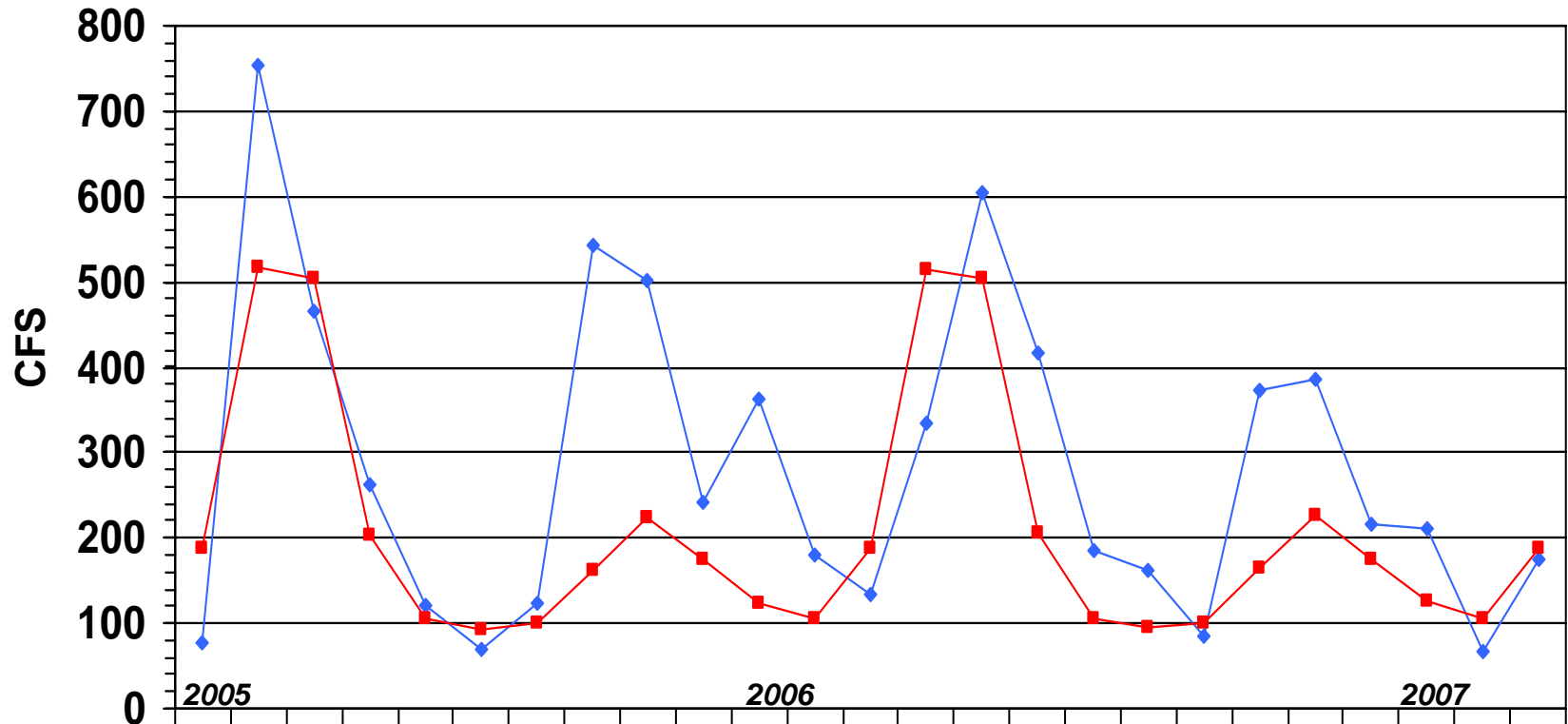
# AMMONOOSUC RIVER at BETHLEHEM JUNCTION NH

**Gage# 01137500**



## MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

This station replaces gage# 01137000 which was discontinued by DES at the end of Sept 2004



	2005			2006												2007									
	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar
Monthly Mean Flow	77	753	465	262	120	70	123	542	502	243	363	180	133	334	605	418	186	161	85	373	387	215	211	68	176
Mean of Monthly Flow s	188	516	503	204	105	93	100	162	225	175	123	106	187	514	504	207	106	94	100	165	227	176	125	105	187
% of Normal	41%	146%	92%	128%	114%	75%	123%	335%	223%	139%	295%	170%	71%	65%	120%	202%	175%	171%	85%	227%	170%	122%	169%	65%	94%

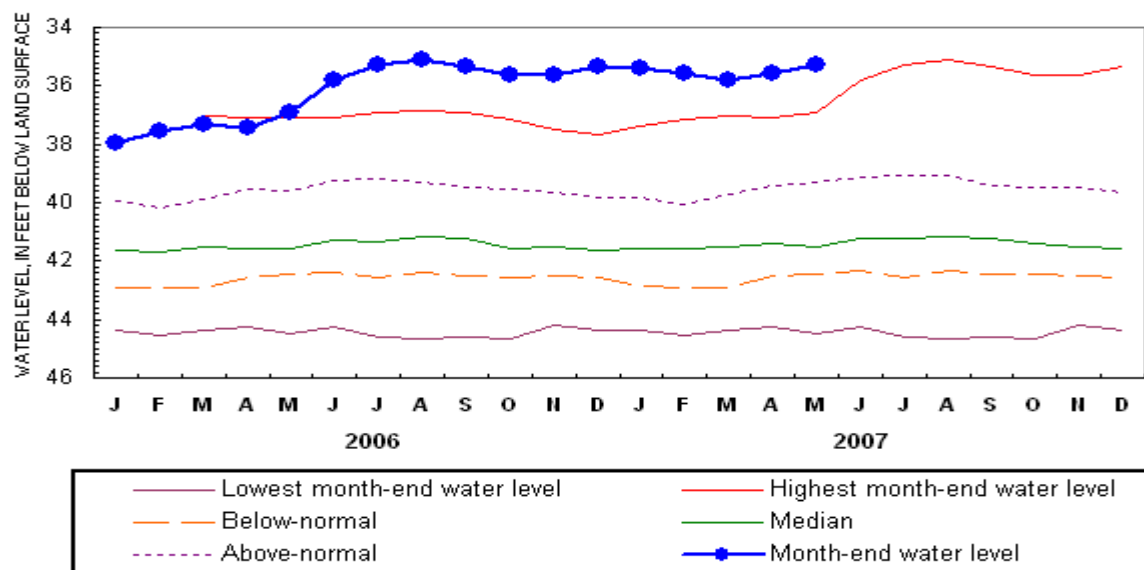
## New Hampshire Groundwater Levels for March 2007



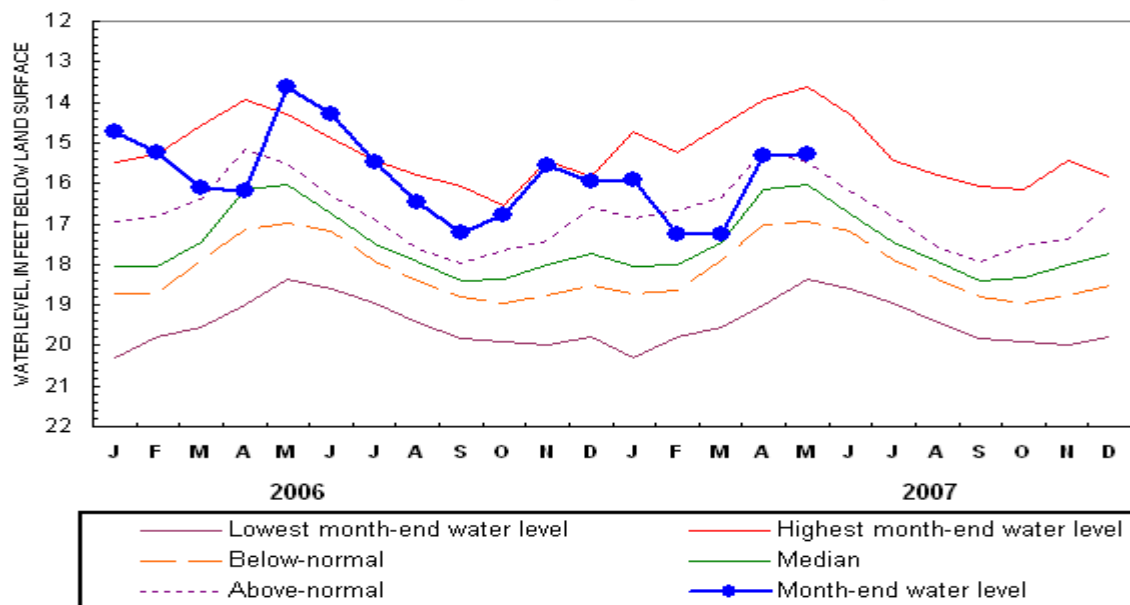
WELL	START OF WATER LEVEL BELOW		NET CHANGE		NET CHANGE		DEPARTURE FROM		PERCENT OF	
	RECORD	SURFACE DATUM (ft)	IN ONE MONTH (ft)	IN ONE YEAR (ft)	MEDIAN	RANGE (ft)	MONTHLY MEDIAN (FT)	RANGE	STATUS	
ALBANY 14	1995	7.03	-0.16	-0.69	6.34	1.21	-0.69	-57	BELOW NORMAL	
ALBANY 15	1995	8.95	-0.13	-0.73	8.25	1.03	-0.7	-68	BELOW NORMAL	
BARNSTEAD 10	1995	2.71	0.21	-0.1	2.44	0.43	-0.27	-62.8	BELOW NORMAL	
CAMPTON 34	1988	13.27	-0.01	-0.48	12.18	1.06	-1.09	-102.8	BELOW NORMAL	
COLEBROOK 73	1995	6.77	----	0.89	7.35	0.92	0.58	63	ABOVE NORMAL	
CONCORD 2	1963	35.79	-0.23	1.53	41.53	4.48	5.74	128.1	ABOVE NORMAL	
CONCORD 4	1966	17.25	0.01	-1.12	17.45	2.87	0.2	7	NORMAL	
DEERFIELD 46	1984	38.38	-0.2	-0.59	38.53	0.74	0.15	20.3	NORMAL	
ENFIELD 30	1990	5.01	0.17	-1.9	4.79	2.99	-0.22	-7.4	NORMAL	
ERROL 1	1966	13.9	-0.1	-0.5	13.2	1.4	-0.8	-55.6	BELOW NORMAL	
FRANKLIN 1	1966	9.89	-0.21	-0.96	12.46	3.87	2.57	66.4	ABOVE NORMAL	
GREENFIELD 75	1995	60.43	-0.23	-2.12	62.33	4.02	1.9	47.3	ABOVE NORMAL	
HOOKSETT 5	1965	49.12	-0.64	-1.63	47.13	2.66	-1.99	-74.8	BELOW NORMAL	
KEENE 2	1963	2.24	1.47	0.76	1.81	2.32	-0.43	-18.5	NORMAL	
LANCASTER 1	1966	1.50	0.1	----	0.71	1.29	-0.79	-61.2	BELOW NORMAL	
LEE 1	1953	30.39	0.47	0.25	30.64	2.98	0.25	8.4	ABOVE NORMAL	
LISBON 19	1990	11.84	1.57	1.25	13.14	3.74	1.3	34.8	ABOVE NORMAL	
NASHUA 218	1964	26.93	0.41	0.56	27.59	1.19	0.66	55.5	ABOVE NORMAL	
NEW DURHAM 53	1986	18.90	0.24	-0.09	18.67	1.07	-0.23	-21.5	NORMAL	
NEW LONDON 1	1947	10.31	0.17	-2.19	5.56	7.1	-4.75	-66.9	BELOW NORMAL	
NEWPORT 3	1995	6.27	0.17	-0.69	4.91	1.13	-1.36	-120.4	BELOW NORMAL	
NEWPORT 6	1995	6.42	0.15	-0.76	4.72	1.35	-1.7	-125.9	BELOW NORMAL	
OSSIPEE 38	1995	34.98	-0.3	-1.05	35.39	1.46	0.41	28.1	ABOVE NORMAL	
SHELBURNE 2	1995	4.88	0.05	0.21	4.6	0.49	-0.28	-57.1	BELOW NORMAL	
WARNER 1	1965	29.83	-0.04	-1.55	30.32	2.04	0.49	24	NORMAL	

Source: USGS, NH DES

### CONCORD 2 (CVW 2) NH (August 1963 - May 1965, August 1967 - )



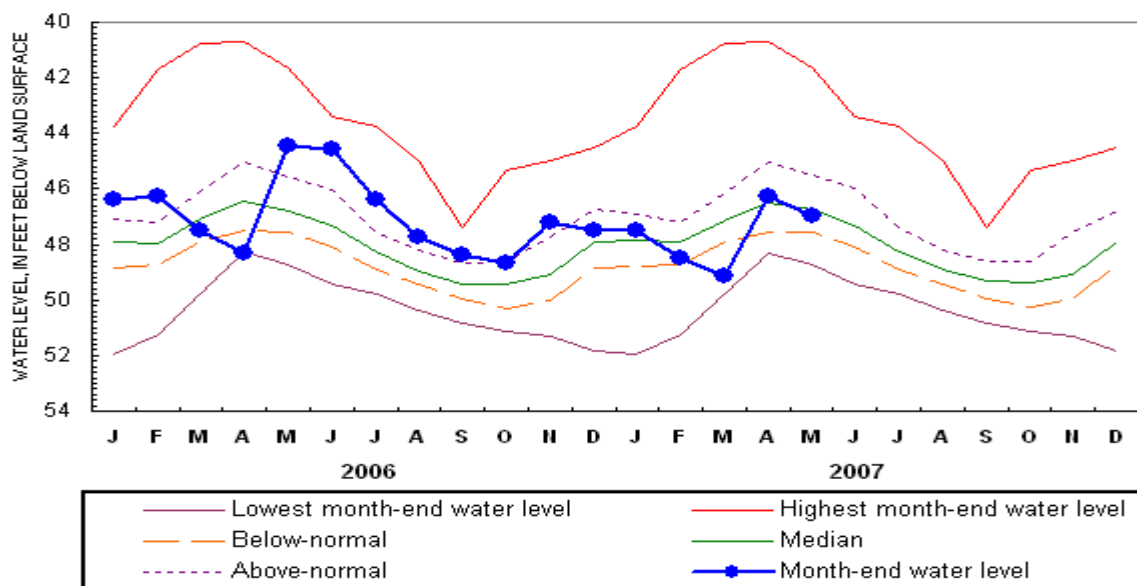
### CONCORD 4 (CVW 4) NH (November 1966 - )



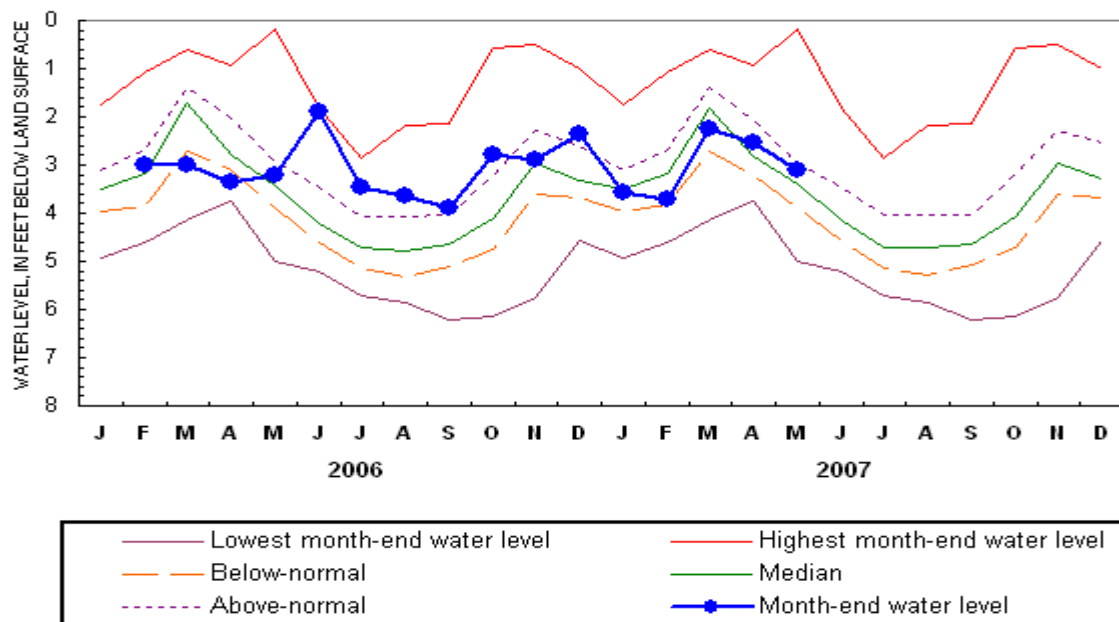
Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2003 are provisional and subject to revision.



### HOOKSETT 5 (HTW 5) NH (April 1965 - )

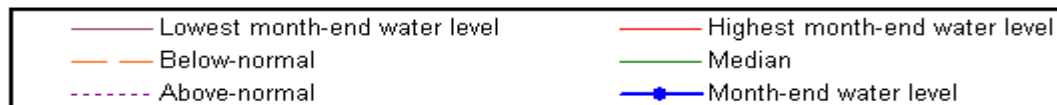
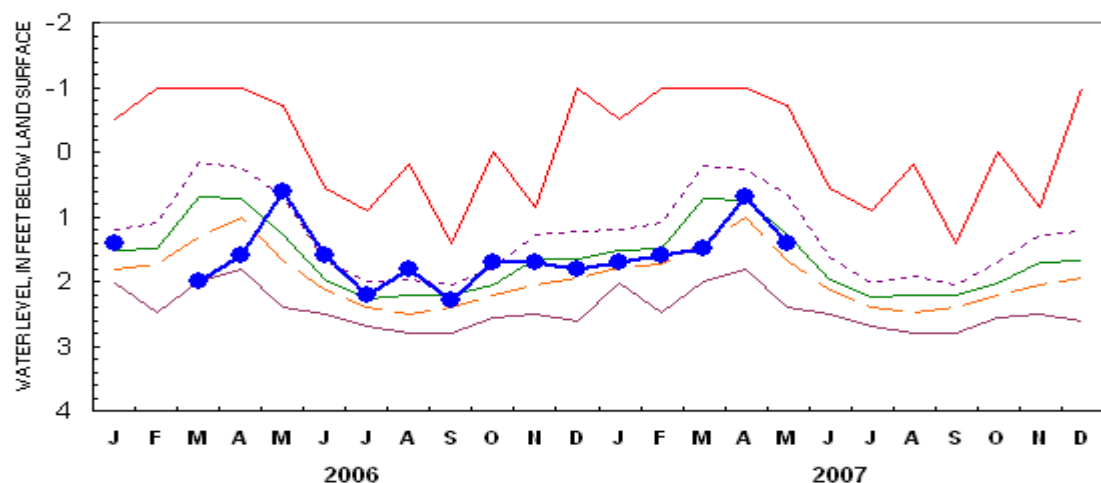


### KEENE 2 (KEW 2) NH (August 1963 - )

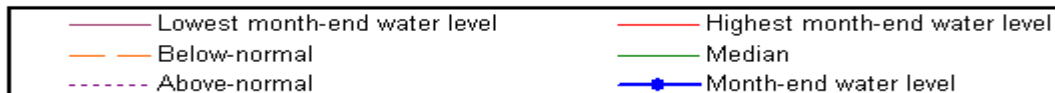
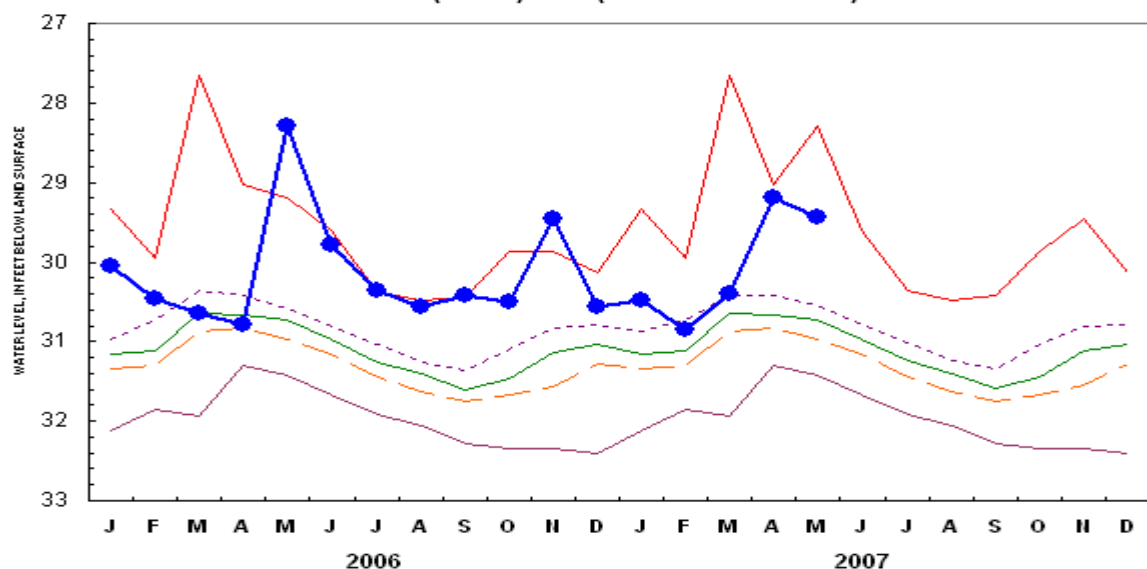


Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2003 are provisional and subject to revision.

# LANCASTER 1 (LCW 1) NH (November 1966 - May 1980, April 1981)



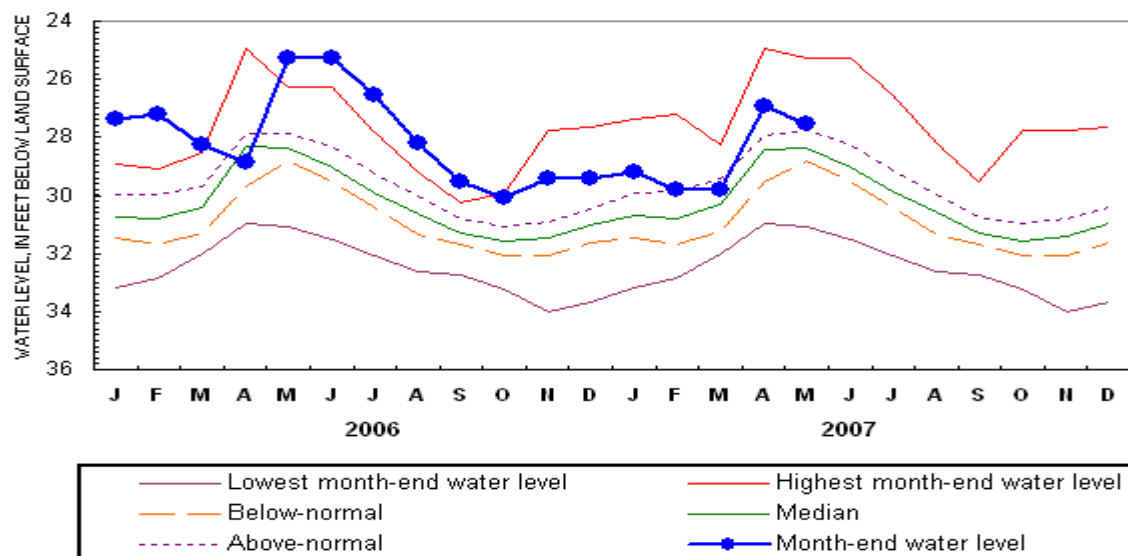
# LEE 1 (LIW 1) NH (November 1953 - )



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2003 are provisional and subject to revision.



# WARNER 1 (WCW 1) NH (December 1965 - )



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2003 are provisional and subject to revision.